

DOCKET NO.: TER-002.3P D4



6P 2631

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Art Unit: 2631  
RAKIB, et al. ) Examiner: unknown  
Serial No.: 09/759,774 ) Docket No.: TER-002.3P D4  
Filed: 1/12/2001 )

For: APPARATUS AND METHOD FOR TRELLIS ENCODING DATA FOR TRANSMISSION IN DIGITAL  
DATA TRANSMISSION SYSTEMS

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

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APR 25 2001

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Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97(c) and § 1.98, the undersigned would like to make  
the following prior art references of record in the above-identified patent application. The  
undersigned believes that some of these references may be material to the examination of this  
application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R.  
§1.56.

While this Information Disclosure Statement may contain material information pursuant  
to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference  
referred to herein is prior art to the invention disclosed and claimed in the above-identified  
patent application.

Each reference listed herein may be accompanied by an explanation of its relevance.  
While this explanation is believed to generally reflect the contents of the references which the  
undersigned believes a reasonable examiner might consider relevant and material to  
the examination of the above-identified patent application, it is not intended that the examiner  
rely on the description as unfailingly accurate or complete.

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Cited Art

Pursuant to 37 CFR §1.97, applicants are bringing to the attention of the Examiner all art cited in the parent cases 08/895,612 filed 07/16/97, 08/684,243 filed 07/19/96, 08/588,650 filed 01/19/96, 08/519,630 filed 08/25/95, and 08/760,412 filed 12/04/96.

Sixteen (16) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. On Patent Application 08/684,243 on April 19, 2001. Copies of Form PTO-1449 and the Information Disclosure Statement are attached. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Eight (8) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on July 17, 2000. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

One (1) reference cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on October 8, 1999. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Seven (7) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/684,243 on April 14, 1999. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

One (1) reference cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on April 30, 1998. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Eight (8) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on March 11, 1998. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Sixty-eight (68) references are cited from the Information Disclosure Statement sent to the U.S.P.T.O. on Patent Application 08/895,612 on October 7, 1997. Copies of Form PTO-1449 and the Information Disclosure Statement are attached.

Respectfully submitted,

Dated: April 21, 2001

Ronald C. Fish  
Ronald Craig Fish  
Reg. No. 28,843  
Attorney for Applicant(s)

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington D.C. 20231 on April 21, 2001.

Ronald C. Fish (Date Of Deposit)

Ronald Craig Fish, President  
Ronald Craig Fish a Law Corporation  
Reg. No. 28,843

DOCKET NO.: TER-002.2P

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Art Unit: 2711  
RAKIB, et al. ) Examiner: unknown  
Serial No.: 08/684,243 ) Docket No.: TER-002.2P  
Filed: 07/19/96 )  
)

For: APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.97(c), the undersigned would like to make the following prior art references of record in the above-identified patent application. An office action has already been received but no final action or notice of allowance has been received. The undersigned believes that these references are not material to the examination of this application and in respect of which there may be no duty to disclose in accordance with 37 C.F.R. §1.56. However, since the definition of materiality under the revised rules is still subjective, these references are being submitted to the Examiner so that he can make his own judgment regarding their materiality.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.

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Each reference listed herein may be accompanied by an explanation of its relevance.

While this explanation is believed to generally reflect the contents of the references which the undersigned believes a reasonable examiner might consider relevant and material to the examination of the above-identified patent application, it is not intended that the examiner rely on the description as unfailingly accurate or complete. A copy of each reference is enclosed for the express purpose of providing the examiner with an opportunity to perform an independent evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

The fee required by 37 C.F.R. §1.17(p) is enclosed herewith.

Cited References

Moura, et al., U.S. Patent Re. 35,774, Filed Nov. 16, 1994, Patent Date Apr. 21, 1998.

Seth-Smith, et al., U.S. Patent 4,829,569, Filed Jul. 8, 1986, Patent Date May 9, 1989.

Yee, U.S. Patent 4,894,789, Filed Feb. 22, 1988, Patent Date Jan. 16, 1990.

Hoarty, et al., U.S. Patent 5,093,718, Filed Sep. 28, 1990, Patent Date Mar. 3, 1992.

Heffner, III, U.S. Patent 5,130,983, Filed Mar. 27, 1990, Patent Date Jul. 14, 1992.

Ballantyne, et al., U.S. Patent 5,133,079, Filed Aug. 28, 1990, Patent Date Jul. 21, 1992.

Wilson, et al., U.S. Patent 5,195,092, Filed Aug. 30, 1991, Patent Date Mar. 16, 1993.

Wheeler, et al., U.S. Patent 5,200,993, Filed May 10, 1991, Patent Date Apr. 6, 1993.

Litteral, et al., U.S. Patent 5,247,347, Filed Sep. 27, 1991, Patent Date Sep. 21, 1993.

Blahut, U.S. Patent 5,373,288, Filed Oct. 23, 1992, Patent Date Dec. 13, 1994.

Gusella, et al., U.S. Patent 5,408,465, Filed Jun. 21, 1993, Patent Date Apr. 18, 1995.

Hoarty, et al., U.S. Patent 5,550,578, Filed Oct. 6, 1994, Patent Date Aug. 27, 1996.

Safadi, U.S. Patent 5,572,517, Filed Mar. 10, 1995, Patent Date Nov. 5, 1996.

Shuen, U.S. Patent 5,572,528, Filed Mar. 20, 1995, Patent Date Nov. 5, 1996.

DOCKET NO.: IER-002.2P

PATENT



Moura, et al., U.S. Patent 5,828,655, Filed Aug. 21, 1996, Patent Date Oct. 27, 1998.

Philips, European Patent Application EP 0 767 544 A2, Filed Oct. 13, 1996, Publication Date Apr. 9, 1997.

Dated: April 19, 2001

Respectfully submitted,



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Attorney for Applicant(s)

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(Date Of Deposit)



Ronald Craig Fish, President  
Ronald Craig Fish a Law Corporation  
Reg. No. 28,843

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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Art Unit: 2711  
RAKIB, et al. ) Examiner: unknown  
Serial No.: 08/684,243 ) Docket No.: TER-002.2P  
Filed: 07/19/96 )  
For: APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§1.97-1.98, the undersigned would like to make the following prior art references of record in the above-identified patent application. The undersigned believes that some of these references may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may contain material information pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any individual reference referred to herein is prior art to the invention disclosed and claimed in the above-identified patent application.

Each reference listed herein may be accompanied by an explanation of its relevance. While this explanation is believed to generally reflect the contents of the references which the undersigned believes a reasonable examiner might consider relevant and material to the examination of the above-identified patent application, it is not intended that the examiner rely on the description as unfailingly accurate or complete. A copy of each reference is enclosed for

the express purpose of providing the examiner with an opportunity to perform an independent evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

Cited References

Omura, et al., U.S. Patent 5,157,686, Filed Jun. 24, 1991, Patent Date Oct. 20, 1992.

Omura, U.S. Patent 5,164,958, Filed Jul. 19, 1991, Patent Date Nov. 17, 1992.

Omura, et al., U.S. Patent 5,166,952, Filed May 24, 1990, Patent Date Nov. 24, 1992.

Omura, et al., U.S. Patent 5,253,268, Filed Jun. 24, 1991, Patent Date Oct. 12, 1993.

Horiguchi, U.S. Patent 5,737,329, Filed Apr. 12, 1996, Patent Date Apr. 7, 1998.

Arai, U.S. Patent 5,930,235, Filed Feb. 28, 1997, Patent Date Jul. 27, 1999.

Bruckert, et al., U.S. Patent 5,822,359, Filed Oct. 17, 1994, Patent Date Oct. 13, 1998.

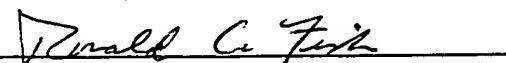
Ishikawa, et al., U.S. Patent 5,610,911, Filed Sep. 28, 1994, Patent Date Mar. 11, 1997.

Respectfully submitted,

Dated: July 17, 2000

  
Ronald Craig Fish  
Reg. No. 28,843  
Attorney for Applicant(s)

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington D.C. 20231 on July 17, 2000  
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DOCKET NO.: TER-002.2P



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Art Unit: 2602  
RAKIB, et al. ) Examiner: unknown  
Serial No.: 08/684,243 ) Docket No.: TER-002.2P  
Filed: July 19, 1996 )  
For: APPARATUS AND METHOD FOR DIGITAL DATA TRANSMISSION USING ORTHOGONAL CODES

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§1.97-1.98, the undersigned would like to make the following prior art references of record in the above-identified patent application. The undersigned believes that these references may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

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PATENT

evaluation to arrive at an independent assessment of its relevance and materiality, if any, to the claimed subject matter.

Cited Art

"A Wireless Multimedia Network on a Time Division Duplex CDMA/TDMA", Seki K. et al., IEICE Transactions on Communications, vol. E78-B, No. 7, 1 July 1995, pages 1002-1015.

XP000532484.

Respectfully submitted,

Dated: 10/3/99

A handwritten signature in black ink, appearing to read "Ron Fish".

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(Date Of Deposit)

A handwritten signature in black ink, appearing to read "Ron Fish".

Ronald Craig Fish, President  
Ronald Craig Fish a Law Corporation  
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